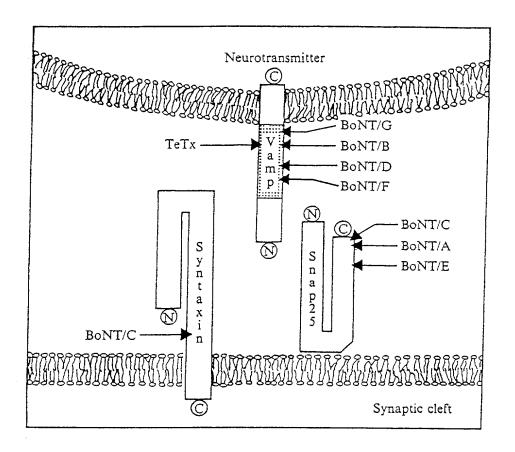
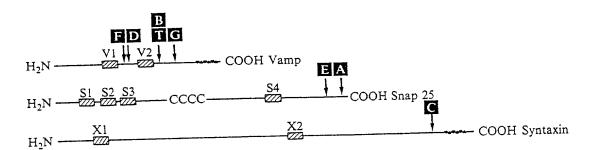


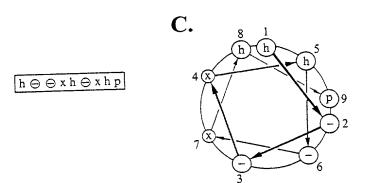
FIGURE 2







B.



Inventors: Steward et al. Attorney Docket: P-AR 4803

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1	Wanedriden weneleew or randes lester in the estention of the estentation of the steether	- WAND AD MENDEL BENOR RANDOLANDES LESTRRAL ONVEES NO METAVILO NO DE OCEOLER FEEGME IN	MPADPSEEVAPQVPKTELEELQINAQGVADESLESTRRMLAICEESKEEGLEITLVALDDQGEQLDREEGWDGIN	MADEADMRNEETDMOARADOL	MEDQNDWNWRSBIEBIQMQSNWQTDESIESTRRMLQWAEESQDWGIKTLVWIDEQGEQIDRFEEGWDGIN	MAEDADMRNENERMORRADOLADESLESTRRMLOLVEESKOAGIRTILVMIDEOGEOLDRVEEGWNHIN
	(1)	(1)	(1)	(1)	(1)	(1)
	SNAP-25 Human (1)	SNAP-25 Mouse	SNAP-25 Drosophila	SNAP-25 Goldfish	SNAP-25 Sea Urchin	SNAP-25 Chicken

150 TO THE DESCRIPTION OF THE PROPERTY OF THE	KDWKBABKNILTDLIGKFCGLCVCECNKLKSSDAYRKAMGNNODGVVAB-OEARVVDERECMATSGGFIRRVIN	ADWREABKNISGMEKCCCICVIPCNKSQSFKEDBGTWKGNDDCKWVNNQPQRVMDDRNGMMAQAGYIGRITIN	KDNKEABKNI TOLGINI CGICP CPCN KLKGG GQSMGNNQDGVVSS - QPRRVVDRREQNALSGGFIRRVIN	IDWREAEKNITIGEEKCOGI CVOPWKKI,GNFEKGDDVKKTWKGNDDOKWNSHOPWRMEDDRDGGGNASMITIRI IN	D <mark>omkerbekni</mark> kdigkc <mark>cg</mark> ificpcnkekssdaykka <mark>n</mark> ch <mark>nodg</mark> vas- <u>opar</u> vydereomatsgefirryn	151	DAREMEMEMENDENIEROVSGE IGNILREMAEDMONEIDTONROEDERTMEKGEDSNYTREDEANORATKWEGSG	DARENEMENEMENTROVSGI IGNIRENATIONGNEIDITONROTENERIMEKADSNKTRIBENORVIKMIGSG	DAREDEWEBNWGOVNTMIGNIRNWALDWESELENONROLDRINRKGESNEAR AVANORAHOLIK	DARENEMENDENIROVGSINIGNLRENA DWENEIDTONRO DRIMDMADSNKTRIDEANORATKWIGSG	DAREDEWDENETQVSSIVGNIREWALDWOSETGAQNSQVGRITSKARSNEGRINSADKRAKNIIRNK	DAREWEWDAN FOUND GIT GUILREWALDWENEIDTONROLDRIMEXLIPIK PGLMKPTSVOORGSAVVKCSKVHFL
(69)	(69)	(24)	(69)	(71)	(69)		(140)	(140)	(148)	(137)	(146)	(140)
ann ac ann a	SNAP-25 Mouse	SNAP-25 Drosophila	SNAP-25 Goldfish	SNAP-25 Sea Urchin	SNAP-25 Chicken		SNAP-25 Human	SNAP-25 Mouse	SNAP-25 Drosophila	SNAP-25 Goldfish (137)	SNAP-25 Sea Urchin	SNAP-25 Chicken (140)

226						SNAP-25 Chicken (215) LMLSORAVPSCFYHGIYLLGLHTCTYOPHCKCCPV
	(202)	(207)	(213)	(204)	(213)	(215)
	SNAP-25 Human	SNAP-25 Mouse	SNAP-25 Drosophila	SNAP-25 Goldfish	SNAP-25 Sea Urchin	SNAP-25 Chicken

FIGURE 5

Inventors:

Attorney Docket: P-AR 4803

Steward et al.

KLSELDDRADALQA KLSELDDRADALQA KLSELDDRADALQA KLSELDDRADALQA KLSELDDRADALQA KLSELDDRADALQA RVNVDKVLERD RVNVDKVLERD RVNVDKVLERD RVNVDKVLERD RVNVDKVLERD EVVDIVRVNVDKVLERD 123 KUNDILGALCALEVVEVIXFFF---KUNDILGVICALELLILIVYFSS---KUNDILGVICALELLILVXFSS---KUNDILGVICALELLILVXFSS----EVVDI RLQQTQAQV**e** RLQQTQAQV RLQQTQAQV **RLOOTOAO**V LKWWWILLGYICALIDILI LKWWWILLGYICALIDILI LKWWWILLGYICALILII WKWWWIMGYICALIDILII SNR SNR SNR SNR SNR MSAPAQPPAEGTEGTAPG-GGPPGPPNMTSN
) ---MSATAATAPPAAPAGEGGPPAPPNITGSN
) ---MSATAATVPPAAPAGEGGPPAPPNITGSN
) ---MSATAATAPPAAPAGEGGPPAPPNITSN
) ----MSAPAAAPAGEGGPPAPPNITSN
) -----MSAPAAAPAGEGGPPAPPNITSN
) -----MSAPAAAPGDGAFQGPP-NITSN
) ------MSAPAAAPGDGAFQGPP-NITSN
) ------MSAPAAAPGDGAFQGPP-NITSN KLKRKYWWKN SSARKIJKRKYWWKN KLKRKYWW GASQFE (22) (13) (73)(1) (1) (1)(1) VAMP-1 HUMAN VAMP Bovine VAMP-1 HUMAN VAMP-2 HUMAN VAMP-2 HUMAN VAMP-2 MOUSE VAMP-2 Frog VAMP-2 MOUSE VAMP Sea urchin

9 FIGURE

Letvypst----Hevaivosokk

GASOFETSARKLIKRKYWWKN GASOFETSARKLIKRKYWWKN GASOFETNAGKLIKRKYWWKN

(57)

KLKRKYWWKD

(13) (71)

VAMP Bovine

VAMP-2 Frog

VAMP Sea urchin

1 1) - MKDRTÓBLETÁK DSDDDDDVAVTVD- KDREWDERBEQVEBÍRGFIDKIABNVBEVKRHISALLASBNPDBKTK (1) - MKDRTÓBLETÁK DSDDDDDVAVTVD- KDREWDERBEQVEBÍRGGIEKLSBDVBQVKROHSALLAAPNPDBKTK (1) - MKDRTÓBLESÁK- DSDDDDDVTVTVTVD- RDREWDERBEGOVEBÍRGFIDKTANVBEVKRHISALLASBNPDBKTK (1) - MKDRLAALHAASONDEBETEVAVNVDGHDSYWDDFFROVEBÍRGMIDKVODNVBEVKRHISALLSAPNPDBKTK (1) MTKDRLAALKABILSABUTSARAHSALLSABUTSKRÍFICSVBÍRGSVÐÍTANNVBEVKKHISALLSABOTDBKTK (1) MTKDRLSALKABILSABUTSKRÍFISBONHMDTG-NAQYWBRFFFROVBBIRGSVÐÍTANNVBEVKKHISÐILSABOADBKVK (1) - MRDRLGSLKRNE- EDÐVGPEVAVNVE- SEKÐWBFFFROVBBVRNNÍÐKTSKNWDBVKKHISDILSABOADBKVK (1) - MRDRLGSLKRNE- EDÐVGPEVAVNVE- SEKÐWBFFFROVBBVRNNÍÐKTSKNWDBVKKHISDILSABOADBKVK	150 FELERIMSDIKKTANKVRSKLKSTEQSIEGEGANKSSADFRIRKTQHSTLSRKFVEVWSFVNATQSDVRBRCKG OELEDITADIKKTANKVRSKKKATEQSIEGEGINKSSADFRIRKTOHSTLSRKFVEVMTSVMPTQSKVRDRCKD
$\begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}$	(73)
Syntaxin 1A human Syntaxin 1B2 human Syntaxin 1A mouse Syntaxin 1a drosophila Syntaxin A C. elegans Syntaxin Sea urchin	Syntaxin 1A human (73) Syntaxin 1B2 human (72)
Syn Synt Syn Syntax Synta Synta	Syn Synt

BELEBLWSDIKKTANKVRSKLKSTEDSTEQEEGLNRSSADDRIRKTOHSTLSRKFVEVWSEYNATOSDYRERCKG OELEDETADIKKTANKVRSKLKALEGSTEOEEGLNRSSADDRIRKTOHSTLSRKFVEVWTEYNATOSDYRERCKO BELEBLWSDIKKTANKVRSKLKSIEOSTEOEEGLNRSSADDRIRKTOHSTLSRKFVEVWTEYNATOSDYRERCK OELEDDADIKKNANRVRGKLKGTEON EOEEGONKSSADDRIRKTOHSTLSRKFVEVWTEYNRTOTDYRERCKG BELDELMAVITKRAANKVRGKLKLIENALDHDEOG-AGNADDRIRKTOHSTLSRKFVEVWTDYNKTOTDYRERCKG DELEEDWSDIKKTANKVRAKKKR	RIQRQLEITGRITTSEELEDWIEGGNPATFASGINDSSISKQALSEIETRHSEITKLENSIRELHDMFWDWAWL RIQRQLEITGRITTNBE <u>LEDWIEGGKLAIFTDDI</u> KWESISKQALSEIETRHSEITKLETSIRELHDMFWDWAWL RIQRQLEITGRITTREELEDWIEGGNPATFASGINDSSISKQALSEIETRHSEITKLETSIRELHDMFWDWAWL RIQRQLEITGRETHÜE HENNELBEGNSVFTQGIEMETQQAKQTEADIEARHODIWKLETSIRELHDMFWDWAWL RIQRQLDIAGKQVGDEDLEEWIEGGNPATFTQGIEMETOPQAKQTEARHNDIWKLESSIRELHDWFWDWAWL RIQRQLDIAGKGYGDADLEEWIEGGNPATFTGGITMDTQQAKQTEATHNDIKKLESSIRELHDWFWDWAWL
(73) (72) (73) (76) (75) (75)	(148) (147) (148) (151) (149)
Syntaxin 1A human Syntaxin 1B2 human Syntaxin 1A mouse Syntaxin 1a drosophila Syntaxin A C. elegans Syntaxin Sea urchin	Syntaxin 1A human (148) Syntaxin 1B2 human (147) Syntaxin 1A mouse (148) Syntaxin 1a drosophila (151) Syntaxin A C. elegans (149) Syntaxin Sea urchin (148)

293 226 201 201 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2	VESQGEMTERYNVESSAVISKAVSETASSETTKKAVSUTKKANTATORVANTATORVATATORVATATORVATATORVATORVATORVATO	VESQGEMIDRIETWWERSWESSELSELS COMMENS OF THE CONTROL	VESQGEWIDRIETWVERSOVETWEETWOOTKRAWGOTKRAWATQSARAKKAKAKAKATATATATATATATATATATATATATATA	VESQGEMEDRIEVHVERMENVQ1/ALQDJKKALKVQSAARKKANATTIGGET V	VESQGEMVDRIEYNVERAKEFVDKAKAFOUNKAKAYLUSKARKKIN CHEVICHET S	VESOGEMEDRIER VEDOSVEX VIII PROPERTION OF VEDOSVEY AND TRANSPORTED THE WAY OF
	(223)	(222)	(223)	(226)	(224)	(223)
	Syntaxin 1A human	Syntaxin 1B2 human	Syntaxin 1A mouse	Syntaxin 1a drosophila	syntaxin A C. elegans	Syntaxin Sea urchin

FIGURE 7